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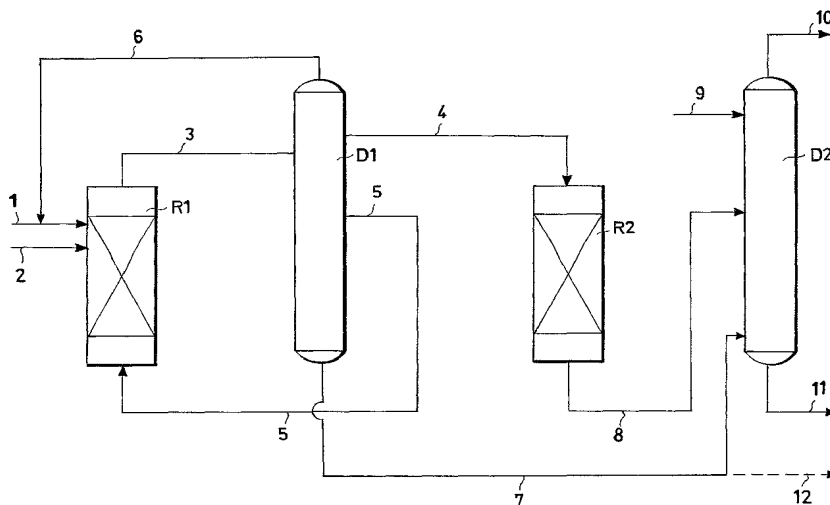
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(54) Title: IMPROVED PROCESS FOR THE PRODUCTION AND PURIFICATION OF VINYL AROMATIC MONOMERS



(57) Abstract: Process for the production of vinyl aromatic monomers which comprises: a) feeding an aromatic stream and an olefinic stream to an alkylation unit; b) feeding the reaction product coming from the alkylation section to a first separation section; c) recovering the mono-alkylated aromatic hydrocarbon and the heavy bottom product from the first separation section; d) feeding the mono-alkylated aromatic to a dehydrogenation section; e) feeding the reaction product coming from the dehydrogenation section to a second purification/separation section; f) also feeding the heavy bottom product of step (c) to the second purification/separation section; g) recovering a stream consisting of the vinyl aromatic monomer with a purity higher than 99.7 by weight.

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